

## ABSTRACT

A sealing mechanism relating to the present invention is for a vessel which can be closed by a cap having a plug portion and a seal plug. The plug portion has a top wall, a side wall and a cylindrical wall. The cylindrical wall forms a receiving chamber arranged to be closed by the seal plug. The vessel has a protruding portion in its opening portion. An outer circumferential portion of the seal plug projects from an outer circumferential surface of the cylindrical wall and is allowed to pass the protruding portion in direction for insertion to the vessel but not for pulling off. A method relating to the present invention to seal the vessel comprises constructing the vessel, charging a first material in the vessel, and closing the vessel by the cap charged with a second material in its receiving chamber and already sealed with the seal plug.